



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/729,421

DATE: 08/31/2004

TIME: 15:09:12

Input Set : A:\2300-20030seqlist.ST25.txt

Output Set: N:\CRF4\08312004\J729421.raw

3 <110> APPLICANT: Shyamala, Venkatakrishna  
 5 <120> TITLE OF INVENTION: IDENTIFICATION OF OLIGONUCLEOTIDES FOR THE CAPTURE,  
 DETECTION AND  
 6 QUANTITATION OF WEST NILE VIRUS  
 8 <130> FILE REFERENCE: 2300-20030 (PP20030.003)  
 10 <140> CURRENT APPLICATION NUMBER: US 10/729,421  
 11 <141> CURRENT FILING DATE: 2003-12-05  
 13 <150> PRIOR APPLICATION NUMBER: US 60/432,850  
 14 <151> PRIOR FILING DATE: 2002-12-12  
 16 <150> PRIOR APPLICATION NUMBER: US 60/480,431  
 17 <151> PRIOR FILING DATE: 2003-06-20  
 19 <160> NUMBER OF SEQ ID NOS: 55  
 21 <170> SOFTWARE: PatentIn version 3.2  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 23  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Artificial  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: oligonucleotide  
 31 <400> SEQUENCE: 1  
 32 gcacatgtat cccacatcca ttg 23  
 35 <210> SEQ ID NO: 2  
 36 <211> LENGTH: 23  
 37 <212> TYPE: DNA  
 38 <213> ORGANISM: Artificial  
 40 <220> FEATURE:  
 41 <223> OTHER INFORMATION: oligonucleotide  
 43 <400> SEQUENCE: 2  
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 48 <211> LENGTH: 21  
 49 <212> TYPE: DNA  
 50 <213> ORGANISM: Artificial  
 52 <220> FEATURE:  
 53 <223> OTHER INFORMATION: oligonucleotide  
 55 <400> SEQUENCE: 3  
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 60 <211> LENGTH: 22  
 61 <212> TYPE: DNA  
 62 <213> ORGANISM: Artificial  
 64 <220> FEATURE:  
 65 <223> OTHER INFORMATION: oligonucleotide  
 67 <400> SEQUENCE: 4

**ENTERED**

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68 tgacatctgt gacgtcagta gc                                22
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 23
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial
76 <220> FEATURE:
77 <223> OTHER INFORMATION: oligonucleotide
79 <400> SEQUENCE: 5
80 tttaccgtca tcatcacctt ccc                                23
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 23
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial
88 <220> FEATURE:
89 <223> OTHER INFORMATION: oligonucleotide
91 <400> SEQUENCE: 6
92 ttggaagtta gagagggtaa ctg                                23
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 22
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial
100 <220> FEATURE:
101 <223> OTHER INFORMATION: oligonucleotide
103 <400> SEQUENCE: 7
104 ctctacgct ggcgatcagg cc                                22
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 23
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial
112 <220> FEATURE:
113 <223> OTHER INFORMATION: oligonucleotide
115 <400> SEQUENCE: 8
116 tcatgactgc aattccggtc ttt                                23
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 21
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial
124 <220> FEATURE:
125 <223> OTHER INFORMATION: oligonucleotide
127 <400> SEQUENCE: 9
128 gagctccgcc gattgatagc a                                21
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 21
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial
136 <220> FEATURE:
137 <223> OTHER INFORMATION: oligonucleotide
139 <400> SEQUENCE: 10
140 ctggtcaagg tccctagttc c                                21

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143 <210> SEQ ID NO: 11
144 <211> LENGTH: 25
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial
148 <220> FEATURE:
149 <223> OTHER INFORMATION: oligonucleotide
151 <400> SEQUENCE: 11
152 ttcttaaaac tcagaaggtg tttca                                25
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 24
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial
160 <220> FEATURE:
161 <223> OTHER INFORMATION: oligonucleotide
163 <400> SEQUENCE: 12
164 tcgctggttg tttgttcaca cctc                                24
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 26
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial
172 <220> FEATURE:
173 <223> OTHER INFORMATION: oligonucleotide
175 <400> SEQUENCE: 13
176 tccatcgatc cagcactgct cgggtc                                26
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 23
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial
184 <220> FEATURE:
185 <223> OTHER INFORMATION: oligonucleotide
187 <400> SEQUENCE: 14
188 ggagcaattg ctgtgaacct gaa                                23
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 21
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial
196 <220> FEATURE:
197 <223> OTHER INFORMATION: oligonucleotide
199 <400> SEQUENCE: 15
200 gaacgccaaag agagccaaca c                                21
203 <210> SEQ ID NO: 16
204 <211> LENGTH: 22
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial
208 <220> FEATURE:
209 <223> OTHER INFORMATION: oligonucleotide
211 <400> SEQUENCE: 16
212 tcgtattggc cccttgccgt cg                                22
215 <210> SEQ ID NO: 17

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216 <211> LENGTH: 967
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial
220 <220> FEATURE:
221 <223> OTHER INFORMATION: West Nile Virus where bases 153-173 have been altered
223 <400> SEQUENCE: 17
224 agtagttcgc ctgtgtgagc tgacaaactt agtagtgttt gtgaggatta acaacaatta      60
226 acacagtgcg agctgtttct tagcacgaag atctcgatgt ctaagaaacc aggagggccc      120
228 ggcaagagcc gggctgtcaa tatgctaaaa cgcagtgaca tgcaggtcta gcttccttga      180
230 ttggactgaa gagggctatg ttgagcctga tcgacggcaa ggggccaata cgatttgtgt      240
232 tggctctctt ggcttcttc aggttcacag caattgctcc gacccgagca gtgctggatc      300
234 gatggagagg tgtgaacaaa caaacagcga tgaaacacct tctgagtttt aagaaggaaac      360
236 tagggacctt gaccagtgcg atcaatcggc ggagctcaaa acaaaagaaa agaggaggaa      420
238 agaccggaat tgcagtcatg attggcctga tcgccagcgt aggagcagtt accctctcta      480
240 acttccaagg gaaggtgatg atgacggtaa atgctactga cgtcacagat gtcatcacga      540
242 ttccaacagc tgctggaaaag aacctatgca ttgtcagagc aatggatgtg ggatacatgt      600
244 gcgatgatac taccatttat gaatgccag tgctgtcggc tggtaatgat ccagaagaca      660
246 tgcactgttg gtgcacaaag tcagcagtct acgtcaggta tggaagatgc accaagacac      720
248 gccactcaag acgcagtcgg aggtcactga cagtgcagac acacggagaa agcactctag      780
250 cgaacaagaa gggggcttgg atggacagca ccaaggccac aaggatattg gtaaaaacag      840
252 aatcatggat cttgaggaac cctggatatg ccctgggtggc agccgtcatt gggtggatgc      900
254 ttgggagcaa caccatgcag agagtttgtt ttgtcgtgct attgcttttg gtggccccag      960
256 cttacag                                          967
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260 <211> LENGTH: 44
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial
264 <220> FEATURE:
265 <223> OTHER INFORMATION: oligonucleotide
267 <400> SEQUENCE: 18
268 aaaaaaaaaa aaaaaaaaaa agcacatgta tcccacatcc attg      44
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273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial
276 <220> FEATURE:
277 <223> OTHER INFORMATION: oligonucleotide
279 <400> SEQUENCE: 19
280 aaaaaaaaaa aaaaaaaaaa actctgacaa tgcataagggtt cttt      44
283 <210> SEQ ID NO: 20
284 <211> LENGTH: 42
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial
288 <220> FEATURE:
289 <223> OTHER INFORMATION: oligonucleotide
291 <400> SEQUENCE: 20
292 aaaaaaaaaa aaaaaaaaaa accagcagct gttggaatcg tg      42
295 <210> SEQ ID NO: 21
296 <211> LENGTH: 44

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297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial
300 <220> FEATURE:
301 <223> OTHER INFORMATION: oligonucleotide
303 <400> SEQUENCE: 21
304 aaaaaaaaaa aaaaaaaaaa aatgacatct gtgacgtcag tagc 44
307 <210> SEQ ID NO: 22
308 <211> LENGTH: 45
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial
312 <220> FEATURE:
313 <223> OTHER INFORMATION: oligonucleotide
315 <400> SEQUENCE: 22
316 aaaaaaaaaa aaaaaaaaaa aatttaccgt catcatcacc ttccc 45
319 <210> SEQ ID NO: 23
320 <211> LENGTH: 44
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial
324 <220> FEATURE:
325 <223> OTHER INFORMATION: oligonucleotide
327 <400> SEQUENCE: 23
328 aaaaaaaaaa aaaaaaaaaa attggaagtt agagagggtg actg 44
331 <210> SEQ ID NO: 24
332 <211> LENGTH: 43
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial
336 <220> FEATURE:
337 <223> OTHER INFORMATION: oligonucleotide
339 <400> SEQUENCE: 24
340 aaaaaaaaaa aaaaaaaaaa actcctacgc tggcgatcag gcc 43
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344 <211> LENGTH: 46
345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial
348 <220> FEATURE:
349 <223> OTHER INFORMATION: oligonucleotide
351 <400> SEQUENCE: 25
352 aaaaaaaaaa aaaaaaaaaa aaatcatgac tgcaattccg gtcttt 46
355 <210> SEQ ID NO: 26
356 <211> LENGTH: 42
357 <212> TYPE: DNA
358 <213> ORGANISM: Artificial
360 <220> FEATURE:
361 <223> OTHER INFORMATION: oligonucleotide
363 <400> SEQUENCE: 26
364 aaaaaaaaaa aaaaaaaaaa agagctccgc cgattgatag ca 42
367 <210> SEQ ID NO: 27
368 <211> LENGTH: 42
369 <212> TYPE: DNA

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/31/2004  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27  
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51  
Seq#:52,53,54,55

**VERIFICATION SUMMARY**

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